

## ABSTRACT

The invention provides an anode material for lithium ion secondary battery using a coated graphite powder as raw material, which is coated with a thermoplastic resin of a carbonization yield of  $\leq 20$  wt% in a proportion of  $\leq 10$  parts by weight the carbonized material per 100 parts by weight graphite powder. Coating with thermoplastic resin increases the accumulative pore volume by  $\geq 5\%$ , relative to the uncoated powder, and results in pore sizes of  $0.012 - 40 \mu\text{m}$  measured via mercury porosimeter method. Calculated with the BJH method as viewed from desorption isotherm, the coated graphite powder has a mesopore volume  $\leq 0.01$  cc/g or  $\leq 60\%$  of the pore volume of the uncoated graphite powder. This coated powder also has an average particle size ranging from  $10 - 50 \mu\text{m}$  measured by a laser-scattering-particle-size-distribution measuring device, and a standard deviation to the average particle size ( $\sigma/D$ ) ratio of  $\leq 0.02$ .